TO ALL TO WHOM THESE; PRESENTS SHALL COME;

Kerry-Morse Seed Company

Tothereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED to be entitled to a certificate of plant variety protection under the LAW.

NOW, therefore, this certificate of plant variety protection is to grant UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLI-YEARS FROM THE DATE OF THIS GRANT, SUBJECT CANT(S) FOR THE TERM OF seventeen O THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC $_{
m D}$ of the variety in a public repository as provided by ${
m LAW}$, the right to ex-OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, ORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT 42, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN

'Golden Rod'

In Lestimony Wathercot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington

this 22nd day of June the year of our Lord one thousand nine hundred and seventy-eight

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

FORM APPROVED OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.							
1. VARIETY NAME OR TEMPORARY DESIGNATION	2. KIND NAME		FOR OFFICIAL USE ONLY				
Golden Rod	Snap Bean		PV NUMP7700080				
3. GENUS AND SPECIES NAME	4. FAMILY NAME (Botanical)		FILING DATE	TIME A.M.			
Phaseolus vulgaris L.	Leguminosae		6-27-77	NOO P.M.			
	5. DATE OF DETERM	INATION	\$ 250.00	16-27-77			
	8 August 1973		\$ 250.00 \$ 250.00	5-19-78			
6. NAME OF APPLICANT(S)		d No. or R.F.D. No.,		8. TELEPHONE AREA CODE AND NUMBER			
FERRY-MORSE SEED COMPANY	Code) 111 FERRY-M	ORSE WAY		(415)			
Dr. George C. Emery,	P.O. Box 10		967-6973				
Breeder	Mountain Vi	ew, California	94040				
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)		10. STATE OF INCOF	11. DATE OF INCOR- PORATION				
Corporation	California			7 April 1969			
12. Name and mailing address of applic	cant representative(s), if any, to serve	in this application a	nd receive all papers:			
13. CHECK BOX BELOW FOR EACH ATTACK	eding History of the cription of the Variet	y	on 52 of the Plant Vo	ariety Protection Act.)			
😨 13E. Exhibit E, Statement of th	e Basis of Applicant	's Ownership					
14A. Does the applicant(s) specify tha (See Section 83(a), (If "Yes," an	t seed of this variety aswer 14B and 14C b	be sold by variety	name only as a cla	ss of certified seed?			
14B. Does the applicant(s) specify tha limited as to number of generation		14C. If "Yes," to beyond breed Foundation	er seed?	crations of production CERTIFIED			
The applicant declares that a viable ance of a certificate and will be replaced							
The undersigned applicant(s) of this uniform, and stable as required in S Plant Variety Protection Act.							
Applicant is informed that false rep	resentation herein ca	n jeopardize protec	ction and result in p	enalties. 1			
18 May 1977	_	by: NO	CHATERE OF APPLICA	Cangany			

3 May 1977

VARIETY: Golden Rod (formerly E4221 (formerly 1C-120 (formerly CW 198(C)6(W)Ms))).

EXHIBIT A: Origin and Breeding History of the Variety.

Golden Rod was selected as a single plant selection involving the pedigree method of breeding from the variety <u>Sungold</u> (formerly CW 198 and released as <u>Sungold</u> in February, 1973 from the New York State Agricultural Experiment Station, Geneva, New York).

The initial selection was among 9 single plant selections taken from a trial row of CW 198 at San Juan Bautista, California, in the summer of 1971. The $\rm S_1$ progeny row of CW 198(C)6 was evaluated at Columbus, Wisconsin in 1972, and appeared to exhibit longer pods and a more uniform light wax color than CW 198. Seeds from these $\rm S_1$ plants were massed together for the $\rm S_2$ generation, (CW 198(C)6(W)Ms).

 S_2 seed (CW 198(C)6(W)Ms) was planted in progeny rows for testing in comparison to CW 198 in Oregon and New York plantings and for seed increase in California in the summer of 1973. The longer pod length of CW 198(C)6(W)Ms in comparison to Sungold continued to be expressed. The decision to increase the line as a possible new variety was made on August 8, 1973. Seed from the S_2 plants in California were massed and designated as 1C-120.

 S_3 seed (1C-120) was further evaluated in trial rows in Wisconsin, New York, and Oregon, while being increased to the S_4 generation in Florida, in 1974. In all locations the line performed outstandingly well in comparison to present commercial varieties. In the Florida S_4 increase, 3 flat and 1 oval flat podded plants were rogued from 1000 plants. However, no off types were found in 7500 plants in California in the summer of 1974.

The line was considered for commercial testing in 1975 and re-designated as the experimental line $\underline{\text{E4221}}$. Outstanding trial reports were obtained from a pilot commercial planting in Eugene, Oregon, by the Agripac Growers Coop., and from the New York State Agricultural Experiment Station Snap Bean Trial in Geneva, New York.

E4221 was named Golden Rod in the spring of 1976.

3 May 1977

VARIETY: Golden Rod (formerly E4221 (formerly 1C-120 (formerly CW 198(C)6(W)Ms))).

EXHIBIT B: Botanical Description of the Variety.

Seed germination and emergence are moderately rapid; early seedling growth is vigorous. Time of flowering is one day later than Resistant Kinghorn Wax and the same as Earliwax. Pods attain their mature diameter in the same number of days from planting as Earliwax.

Plants are determinate, bush, medium tall (29 to 48 cm.) with a medium spread (31 to 55 cm.). The mature plant is approximately 4 cm. taller and wider than <u>Earliwax</u> with a similar foliage color. The leaves are deltoid ovate, acuminate, with rounded or truncate bases. Leaves are medium in size, but larger than <u>Earliwax</u>. Stems and leaves are slightly pubescent. Inflorescences arise from the apex and leaf axils and contain 4 to 8 white flower buds. Pods are borne medium to high on the plants and only infrequently touch the soil surface.

Pods are stringless, 13 to 17 cm. in length, round to slightly round oval, 11 mm. in width (suture to suture), and 12 mm. in thickness. Spur length is 14 mm. The pod surface is smooth and only slightly pubescent. Pod color is a medium light lemon yellow wax. Compared to Earliwax, the pods are slightly longer, have a larger mature pod diameter, are more oval in shape, have a longer spur, and are a slightly lighter wax color.

Seed are white, oblong, oval in cross-section; compared to <u>Earliwax</u>, the seed are slightly wider and not as thick.

FORM GR-470-12 (11-15-72)

INSTRUCTIONS: See Reverse.

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE

(Bean)

GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

OBJECTIVE DESCRIPTION OF VARIETY

BEAN (PHALEOLUS VULGARIS)

NAME OF APPLICANT(S) FERRY-MORSE SEED COMPANY	FOR OFFICIAL USE ONLY							
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	PVPO NUM 7700080							
111 FERRY-MORSE WAY P.O. BOX 100	VARIETY NAME OR TEMPORARY DESIGNATION							
MOUNTAIN VIEW, CALIFORNIA 94040	GOLDEN ROD							
Place the appropriate number that describes the varietal character of this variety in the boxes below								
Place a zero in first box (e.g. 0 8 9 or 0 9) when number is either 99 or less or 9 or less. 1. TYPE:								
1 1 = SNAPBEAN 2 = GREEN SHELL 3 = DRY EDIBLE 4 = MULTIPURPOSE								
2. SEASON AND REGION OF ADAPTABILITY IN THE U.S.:								
2 Grows best during: 1 = SPRING 2 = SUMMER 3 = FALL	4 = WINTER							
6 Best adapted in: 1 = NORTHWEST 2 = NORTHCENTRAL 3 = NORT 5 = SOUTHWEST 6 = MOST REGIONS	HEAST 4 = SOUTHEAST							
3. MATURITY (Days from seeding to first harvest):	·							
5 2 GREEN PODS GREEN SHELLS	DRY SEEDS							
L	ITUCKY WONDER 3 = KINGHORN WAX							
0 0 NO. DAYS LATER THAN 7 4 = WHITE KIDNEY 5 = MIC 7 = BUSH BLUE LAKE 8 = OTH	HELITE 62 6 = DWARF HORTI CULTURAL ER (Specify)							
4. PLANT:								
1 = DETERMINATE, ERECT BUSH 2 = DETERMINATE, SPE 3 = DETERMINATE, SEMIPOLE 4 = INDETERMINATE, F								
0 4 1 CM, HEIGHT OR LENGTH OF VINE FROM PRIMARY LEAF NODE								
0 0 5 NUMBER PRIMARY BRANCHES PER MAIN STALK	CM, SPREAD							
2 Branching habit: 1 = COMPACT 2 = OPEN 0 6	NUMBER INTERNODES ON MAIN STALK BETWEEN PRIMARY LEAF AND BASE OF TERMINAL INFLORESCENCE							
0 2 CM. LENGTH OF FIRST INTERNODE ABOVE PRIMARY LEAF	i .							
1 Main stalk: 1 = BRITTLE 2 = WIREY 1 1. STOUT 2. THIN								
3 Flower position:								
Pod Position: 1 = LOW, CONCENTRATED 2 = HIGH, CONCENTRATED 3 = SCATTERED								
5. LEAVES:								
2 1 = SMOOTH 2 = WRINKLED 1 = DULL 2 = GLOSSY 2 Th	ickness: 1 = THIN 2 = MEDIUM 3 = THICK							
[] = manually = median = minde(renderendy) [] [M. PETIOLE LENGTH To basal leaflets of first trifoliate leaf)							
Tip shape of center leaflet: 1 = ROUNDED 2 = TAPER POINTED 3 = SH	ARP POINTED							
2 PUBESCENCE - Dorsal:								
2 PUBESCENCE - Ventral: $\begin{cases} 1 = NONE & 2 = SLIGHT & 3 = CO \end{cases}$	N SI DER A BLE							
3 Colos: 1 = LIGHT GREEN (Bountiful) 2 = MEDIUM GREEN 3 = DARK GREEN (E	lush Blue Lake)							

Committee of the Control of the Cont

March 27, 1978

VARIETY: Golden Rod (formerly E4221 (formerly 1C-120 (formerly CW 198(C)6(W)Ms))).

EXHIBIT D: Data Indicative of Novelty.

Golden Rod most closely resembles the variety Sungold. It is distinct from Sungold by having a longer pod and a longer seed.

A. Measurements below were obtained from a planting made February 2, 1976 in a greenhouse held at a minimum 68° Fahrenheit at Columbus, Wisconsin.

	Golden Rod	Sungold	<u>d</u>	<u>s</u> d	<u>t</u>	P.
1. Pod length *	13.39 cm.	12.47 cm.	.89	.175	5.09	<.001
2. Seed length **	13.74 mm.	12.89 mm.	.85	.223	3.81	<.001
* measurements** measurements	are based are based	on 30 paire on 47 paire	ed co	mparis mparis	ons.	

B. The measurements below were obtained from a planting made in the field on June 3, 1976 at Columbus, Wisconsin.

C. The measurements below were obtained from a planting made in the field on June 14, 1977 at Columbus, Wisconsin.

^{* -} measurements are based on 200 paired samples and were limited to sieve-5 pods with no seed blanking on the pods.

ASSIGNMENT OF INTELLECTUAL PROPERTY

WHEREAS, HARRIS MORAN SEED COMPANY, a corporation duly organized and

existing under the laws of the State of Maryland, having its principal place of business at 4511

Willow Road, Suite 3, Pleasanton, California 94588 ("Assignor"), has, pursuant to that certain

Bill of Sale and Assignment dated as of June 30, 1997, transferred to FERRY-MORSE SEED

COMPANY (CALIFORNIA), a corporation duly organized and existing under the laws of the

State of California, having its principal place of business at 555 Codoni Avenue, P.O. Box 4938,

Modesto, California 95352-4938 ("Assignee"), all of the intellectual property Assignor had

adopted, used and was using as of the effective date of this Assignment, including without

limitation, the intellectual property represented by the United States Plant Variety Protection

Certificates of Assignor identified on Schedule A hereto (collectively, the "Property"); and

WHEREAS, on the date hereof, Assignee has changed its name to "Harris Moran Seed

Company";

NOW, THEREFORE, effective by this instrument as of the close of business on

June 30, 1997, and for good and valuable consideration, receipt of which is hereby

acknowledged, Assignor hereby assigns to Assignee any and all right, title and interest

worldwide in and to the Property and any and all recordations thereof, including, but not limited

to, the use of the Property in any manner, all benefit of any and all prior use of the Property, and

any and all rights to initiate claims or proceedings for past, present or future infringements of

Assignor's rights, title and interest in and to the Property.

Dated: as of June 30, 1997

HARRIS MORAN SEED COMPANY

NEWY01A:171511:1:09/26/97 26757-1

UIUUUIU

CERTIFICATE OF AMENDMENT

OF THE

ARTICLES OF INCORPORATION

FILED

ENDORSED

In the office of the Secretary of State of the State of California

JUN 3 0 1997

OF

FERRY-MORSE SEED COMPANY (CALIFORNIA) (a California corporation)

To the Secretary of State State of California

Pursuant to the provisions of the General Corporation Law of the State of California, the undersigned officers of FERRY-MORSE SEED COMPANY (CALIFORNIA), a California corporation (the "Corporation"), do hereby certify as follows:

- 1. The name of the Corporation is Ferry-Morse Seed Company (California).
- 2. Article One of the Corporation's Articles of Incorporation, which relates to the name of the Corporation, is hereby amended in its entirety to read as follows:

The name of this Corporation is: One. HARRIS MORAN SEED COMPANY.

- 3. The amendment herein provided for has been approved by the Corporation's Board of Directors.
- 4. The amendment herein provided for was approved by the written consent of the Corporation's sole shareholder in accordance with the provisions of Section 902 of the California General Corporation Law. The total number of outstanding shares of the corporation

IN WITNESS WHEREOF, each of the undersigned does hereby declare under the penalty of perjury that he or she signed the foregoing Certificate of Amendment as of June 30, 1997, in the Town of Modesto, State of California, in the official capacity set forth beneath his or her signature and that the statements set forth in this certificate are true of his or her own knowledge.

Yves Queste, President

Helen Andritsakis, Secretary



SECRETARY OF STATE



I, BILL JONES, Secretary of State of the State of California, hereby certify:

That the attached transcript has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

> IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this

> > JUN 3 0 1997



Billyones

Secretary of State